

ABSTRACT OF THE DISCLOSURE

A method for visualizing and efficiently making comparisons of communication system performance utilizing predicted performance, measured performance, or other performance data sets is described. A system permits visualizing the comparisons of system performance data in three-dimensions using fluctuating elevation, shape, and/or color within a three-dimensional computer drawing database consisting of one or more multi-level buildings, terrain, flora, and additional static and dynamic obstacles (e.g., automobiles, people, filing cabinets, etc.). The method enables a design engineer to visually compare the performance of wireless communication systems as a three-dimensional region of fluctuating elevation, color, or other aesthetic characteristics with fully selectable display parameters, overlaid with the three-dimensional site-specific computer model for which the design was carried out.